

**To:** Schmidt, Andrew[Schmidt.Andrew@epa.gov]  
**Cc:** Coursen, Robin[Coursen.Robin@epa.gov]  
**From:** Schmittdiel, Paula  
**Sent:** Wed 8/12/2015 11:36:30 PM  
**Subject:** RE: your question

When you are available, you Robin and I should talk so that we can clarify to USGS how to charge their time. I'm in tomorrow afternoon (can be available in the AM) and in on Friday.

Paula Schmittdiel

Remedial Project Manager

U.S. Environmental Protection Agency

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**From:** Schmidt, Andrew  
**Sent:** Wednesday, August 12, 2015 5:35 PM  
**To:** Schmittdiel, Paula  
**Subject:** RE: your question

Paula,

Thanks for cc'ing me on these communications.

Andrew

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*Andrew P. Schmidt, P.G.*

*Regional Hydrogeologist*

*US EPA Region 8, 8EPR-S*

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*Please consider the environment before printing this email.*

**From:** Schmittiel, Paula

**Sent:** Wednesday, August 12, 2015 5:32 PM

**To:** Paschke, Suzanne

**Cc:** Katie Walton-Day; Schmidt, Andrew; Timothy Raines

**Subject:** RE: your question

Thank you Suzanne. We appreciate all the assistance USGS is giving us.

Paula Schmittiel

Remedial Project Manager

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**From:** Paschke, Suzanne [mailto:spaschke@usgs.gov]  
**Sent:** Wednesday, August 12, 2015 5:22 PM  
**To:** Schmittiel, Paula  
**Cc:** Katie Walton-Day; Schmidt, Andrew; Timothy Raines  
**Subject:** your question

Hi Paula,

In response to your question regarding uranium, Geoff Plumlee, a USGS research geochemist, indicated that "there are uranium-rich veins in the Lake City area, and our Mineral Resources Data System shows a couple of mine sites within a mile or two from the Gold King for which uranium is listed as a commodity. So, it is plausible that there may be some uranium in the waters. Unfortunately, I so far have not found any drainage chemistry from USGS Animas AML work that includes uranium."

We are in the process of pulling existing water-quality data from the NWIS database for the Silverton sites, and will let you know if there are available uranium concentration data. Likely not.

Samples we are collecting now in support of the Gold King mine spill are being analyzed by ICP-MS, which includes uranium.

Thanks for your call today - hang in there,

Suzanne

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Suzanne S. Paschke, Ph.D.

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